

MONSANTO

From: G.A. Grundmann CS6G Corporate Engineering (4-6112)

Date: August 22, 1985

cc: D.R. Bowers CS6G

L.V. Bumbicka 1740 -

Subj: Project Progress Meetings

R.M. Calles CS6G

M.A. Coco Alberici

J. Colling 1740

Re: CEA 3808 - Main South Trunk Sewer

R.J. Geile CS6G

E.R. Hartman CS6G

TO: J.J. Beckerle Alberici

P.R. Hoemann 1740

W. Bodine Alberici

L.C. Kreh F2ED

T.N. Carrico 1740

P.A. Mayse CS6G

W.C. Koester Alberici*

B.W. Steketee 1740

K.W. Lichtenheld CS6G

R.L. Wiese CS6G

C.J. Lotz Alberici*

R.L. Nelson 1740*

*Present at meeting

K.W. Petterson 1740*

**Part time

R.C. Martini 1740*

O.N. Shipley 1740*

R.B. Knoll Fleischer Seeger**

G. Adams Fleischer Seeger**

Following are minutes of the meeting held at the CED construction trailers on 8/22/85 at 9:30 a.m.

1. Construction Progress

- a. Manhole 1-DD interior ready for inspection.
- b. Manhole 1-GG passed water test.
- c. Piling driven through manhole 2-CC.
- d. Excavated to manhole 2-CC plus working on the L-64 lateral.
- e. The concrete base slab will be poured to manhole 2-CC on 8/23. (Currently 140' east of 2-BB.)
- f. Some encasement will be poured on 42" pipe between 1-EE and 2-AA.
- g. 42" VCP set in trench to manhole 2-AA. Joints are being made.
- h. Repairs are being made on the 42" VCP joints due to leakers on the last test and exotherm areas. The repairs should be complete 8/23 and testing can occur on 8/28.

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- i. The trench between manholes 2-AA and 2-BB is currently inaccessible due to the leaking existing pipe which crosses the ditch here. When the flume is complete through manhole 2-AA, this pipe can be blocked off.
- j. Received some additional 42" VCP. More due next week. Three pieces of pipe with blemishes that have been covered with furan need to be inspected by Lichtenheld for acceptance.

2. Contaminated Soil

- a. Still waiting for state permits to haul off stockpiled dirt.
- b. The contaminated dirt handling procedure will be reviewed and revised, if necessary, to insure that there is no possible way contaminated dirt can accidentally be removed from the plant. Nelson, Lichtenheld, Martini, Petterson.
- c. During excavation from manhole 2-CC to 3-AA, there is the possibility of digging up some dirt with traces of phosphorus. This dirt needs to be stockpiled in a separate pile. Martini has detailed plan for dirt stockpiling behind Big Mo.

If any dirt is smoking, it should be spread out in the wedge where the old fab shop was located and allowed to burn, after which it can be taken to the stockpile.

If dirt smokes or catches fire at the stockpile, it needs to be covered.

Any rubble needs to be washed and dried prior to removal.

Workers in this area should wear rubber shoes that can be washed off.

3. Jumpers

- a. The 21" pipe has been received.
- b. The plant work on the acid storage tank has been completed.
- c. Exploratory digging for the 16" water line will begin 8/27.
- d. Nelson requested a reconfirmation by Lichtenheld that the T-3 jumper will handle the normal sewer flow. The flows need also to be confirmed by Nelson.

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- e. It may be almost impossible to design a plug that can be pulled during a heavy rainstorm to prevent a backup into the plant. As a result, other options need to be reviewed such as large standby pumps that could pump the excess groundwater further downstream during heavy rainstorms, etc. Lichtenheld, Nelson, Martini.

4. Internal Manhole Work

a. Manhole 1-AA:

The furan membrane is complete on manhole 1-AA and will be cured by 8/23. There is a problem on the flowline on the flume portion of the bottom. The 42" VCP as installed by Alberici is not in total alignment with the curve of the manway bottom due to the obroundness of the pipe. Corrective methods were reviewed:

- 1) Place brick on end and cut it to get a match on the pipe contour. Fleischer Seeger to furnish cost of this option.
- 2) Install a half section of 42" VCP in semicircular trough. Set in furlac cement.
- 3) Taper the flowline from the 42" VCP entry pipe to the brick surface with a 10:1 ratio.

A decision will be made ASAP.

Water was standing in the bottom of the manhole. Fleischer Seeger to better protect the manholes to prevent this.

b. Manhole 1-BB:

Sandblasting didn't work on removing the asphaltic membrane residue. Hydroblast did not appear to be a solution either.

Fleischer Seeger advised to do the following:

- 1) Remove the asphaltic membrane residue by hand scraping.
- 2) Fill the concrete voids as before with sand cement mixture.
- 3) Reprime.
- 4) Put asphaltic membrane back on.

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c. Manhole 1-CC:

The deep depressions in the encasement (3/4" to 1") need to be filled with material recommended by Nelson. The primer must be ground off first.

These areas need to be reprimed after repair and prior to application of the asphaltic membrane.

5. Department 245

- a. Lotz made layout of culvert pipe under railroad track. It will be approximately 32' long to avoid conflict with the pipe bridge. Installation will be 10/1 to 10/11 (new dates).
- b. The 50 foot working area alongside the tracks will generally be okay. Alberici commented that this much area may not be needed at all times, but certainly needed for pile driving and excavation.
- c. Access by ramp across the track will be required on the west and north sides of the department.
- d. The loading dock to the north must remain operable at all times.

6. Miscellaneous

- a. The plan for bringing manhole 1-GG into operation has been worked out. A sleeve will be installed on the north and south sides of the manhole, which can be bricked up when the flume pipe is removed.
- b. A procedure for bringing manhole 1-DD into operation is required. Lichtenheld, Martini, Nelson.
- c. A VIP inspection of the sewer job is scheduled for September 9. Appropriate preparations need to be made. Martini and Alberici.

The next progress meeting will be held on Thursday, August 29 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.


Gordon A. Grundmann

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